Claims

a semiconductor;

	Ciaiiiis	
[c1]		Having thus described the preferred embodiment, the invention is now claimed to be: 1. A light emitting device, comprising: a nitride compound, for providing at least one of blue and ultraviolet emission; an epoxy, embedded with a phosphor, mounted to the nitride compound; and a frame including a surface having an uneven portion contacting the epoxy.
[c2]		2. The light emitting device as set forth in claim 1, wherein the compound includes one of binary compound materials, ternary compound materials, and quaternary compound materials.
[c3]		$\it 3$. The light emitting device as set forth in claim $\it 2$, wherein the nitride compound is one of a group II through group VI-nitride compound.
10 (c4)		${\it 4}$.The light emitting device as set forth in claim ${\it 3}$, wherein the nitride compound is a group III-nitride including GaN.
[c5]		5. The light emitting device as set forth in claim 1, further including: a substrate, the nitride compound and the epoxy being mounted to the substrate.
[c6]		$\it 6$.The light emitting device as set forth in claim $\it 5$, wherein the substrate includes sapphire.
[c7]		${\cal I}$. The light emitting device as set forth in claim ${\cal I}$, wherein the uneven portion is a designed surface.
[c8]		8. The light emitting device as set forth in claim 1, wherein the phosphor converts the at least one of the blue and the ultraviolet emission from the nitride compound to a visible light, which is emitted from the frame.
[c9]		9. The light emitting device as set forth in claim 1, wherein the frame further includes a smooth portion, substantially none of the phosphor embedded epoxy contacting the smooth portion.
[c10]		10 .A system for converting light from a first range of wavelengths to a second range of wavelengths, comprising:

	a frame contacting the phosphor embedded epoxy.
[c11]	11 .The system for converting light from a first range of wavelengths to a second range of wavelengths as set forth in claim 10, wherein: the first range of wavelengths includes blue/ultraviolet light; and the second range of wavelengths includes visible light.
[c12]	12 .The system for converting light from a first range of wavelengths to a second range of wavelengths as set forth in claim 10 , wherein: the first range of wavelengths is greater than about 10 nanometers and less than about
	500 nanometers; and the second range of wavelengths is greater than about 400 nanometers and less than about 800 nanometers.
	13 .The system for converting light from a first range of wavelengths to a second range of wavelengths as set forth in claim 10, wherein the semiconductor includes: a substrate;
	a nitride compound, for providing at least one of blue and ultraviolet emission, mounted on a first end of the substrate, the phosphor embedded epoxy being mounted on a second end of the substrate.
[c14]	14. The system for converting light from a first range of wavelengths to a second range of wavelengths as set forth in claim 13, wherein the nitride compound includes one of binary compound materials, ternary compound materials, and quaternary compound materials.
[c15]	15 .The system for converting light from a first range of wavelengths to a second range of wavelengths as set forth in claim 13 , wherein the substrate is sapphire.
[c16]	16. The system for converting light from a first range of wavelengths to a second range of wavelengths as set forth in claim 10, wherein the frame includes a designed surface, substantially all of the phosphor embedded epoxy contacting the designed surface.

17. A method of manufacturing a solid state lamp, comprising:

mounting a phosphor embedded epoxy to a first end of a semiconductor including a

[c17]

a phosphor embedded epoxy contacting a first end of the semiconductor; and

nitride, which provides at least one of blue and ultraviolet emission; and mounting the first end of the semiconductor to a frame via the phosphor embedded epoxy.

- [c18] 18. The method of manufacturing a solid state lamp as set forth in claim 17, further including:

 creating a designed surface on the frame, the second end of the semiconductor being mounted to the designed surface.
- [c19] 19. The method of manufacturing a solid state lamp as set forth in claim 17, further including:

 attaching an electrical contact to the semiconductor die.